

PATENT  
Docket No.: LMPY-6410

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2828

Examiner: Gioacchino Inzirillo

Serial No. 09/602,184

Filed: June 22, 2000

In re Application of: Juergen Kleinschmidt, et al.

For: NARROW BAND EXCIMER LASER WITH A PRISM-GRATING AS LINE-NARROWING OPTICAL ELEMENT

*Certificate of Facsimile 872-9319*  
I hereby certify that this correspondence is being faxed to Technology Center 2800 of the United States Patent and Trademark Office, facsimile no. 1 703 308-2722 and addressed to Director of Patents, Box Amendment, Washington, D.C. 20231 on 12-03-02. Signed Gerry Ubau  
03 04- Gerry Ubau

**TRANSMITTAL LETTER**

Total Number of Pages: 21

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DEC 03 2002

Director of Patents  
Box Amendment  
Washington, D.C. 20231

TECHNOLOGY CENTER 2800

Dear Sir:

In reply to the Office Action mailed September 12, 2002, enclosed please find the following:


1. Amendment and Reply to Office Action dated September 12, 2002;
2. Marked-up Copy of the Amendment.

In the event any fee is required for filing the above-noted document, including any fees required under 37 CFR 1.136 for any necessary Extension of Time to make the filing of attached document timely, the Assistant Commissioner is hereby authorized to charge the fee to our Deposit Account No. 50-0612. A duplicate copy of this page is enclosed.

Respectfully submitted,  
Sierra Patent Group, Ltd.

Dated: 12-2-02

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**COPY**

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I hereby certify that this correspondence is being faxed to Technology Center 2800 of the United States Patent and Trademark Office, facsimile no. 1 703 308-7722 and addressed to Director of Patents, Box Amendment, Washington, D C 20231 on 12-28-02. Signed Gerry Ubau

AMENDMENT

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Director of Patents  
Box Amendment  
Washington, D.C. 20231

DEC 03 2002

TECHNOLOGY CENTER 2800

Dear Sir:

In reply to the Office Action mailed September 12, 2002, please amend the above-identified application as follows:

In the Abstract

12/31/2002 AFORD1 00000013 500612 09602184

01 FC-1200  
02 FC-1200162.00 CH  
252.00 CH

Please replace the original abstract with the following new abstract:

An excimer or molecular fluorine laser system includes a laser chamber filled with a gas mixture at least including a halogen-containing species and a buffer gas, and multiple electrodes with the laser chamber connected to a discharge circuit energizing the gas mixture. The laser chamber is within a laser resonator generating an output beam. The resonator includes a line-narrowing package for reducing a bandwidth of the output beam. The line-narrowing package includes a grating or grism element for use with a highly reflective (HR) and/or an anti-reflective (AR) dielectric coating. The grating may serve as a resonator reflector having a dielectric HR coating. The grating may be disposed before a HR mirror and thus have a dielectric AR or HR coating when